20 June

**C Program to rotate an array by K position.**

#include <stdio.h>

void rotate(int arr[], int n)

{

int x = arr[n-1], i;

for (i = n-1; i > 0; i--)

arr[i] = arr[i-1];

arr[0] = x;

}

int main()

{

int arr[10], n, k, i, j;

printf("Enter the no. of elements: ");

scanf("%d", &n);

printf("Enter the elements: ");

for (i = 0; i < n; i++)

scanf("%d", &arr[i]);

printf("Enter the no. of times to rotate: ");

scanf("%d", &k);

for(j = 0; j < k; j++)

{

rotate(arr, n);

}

for (i = 0; i < n; i++)

printf("Element at index %d: %d\n", i+1, arr[i]);

return 0;

}